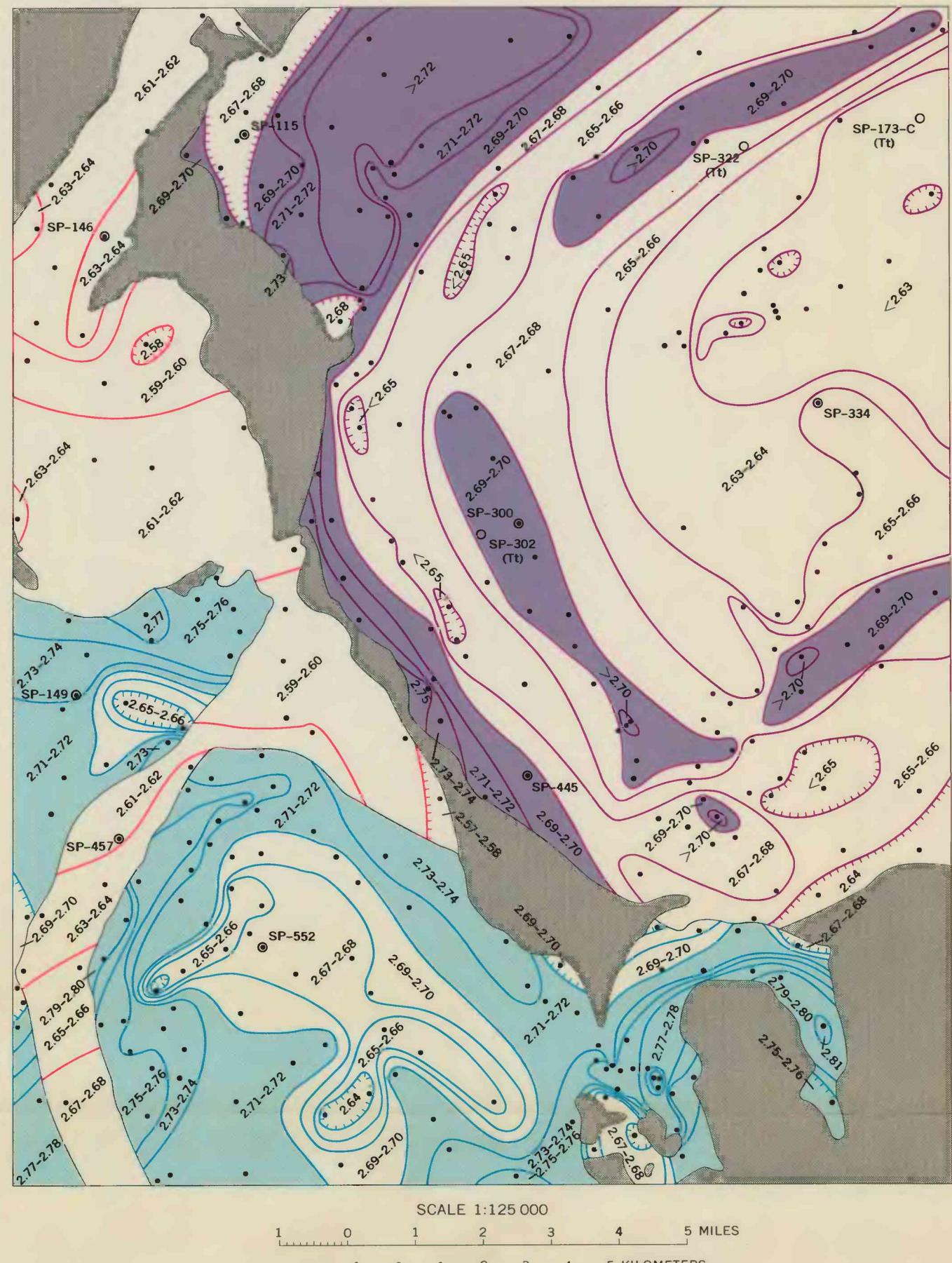
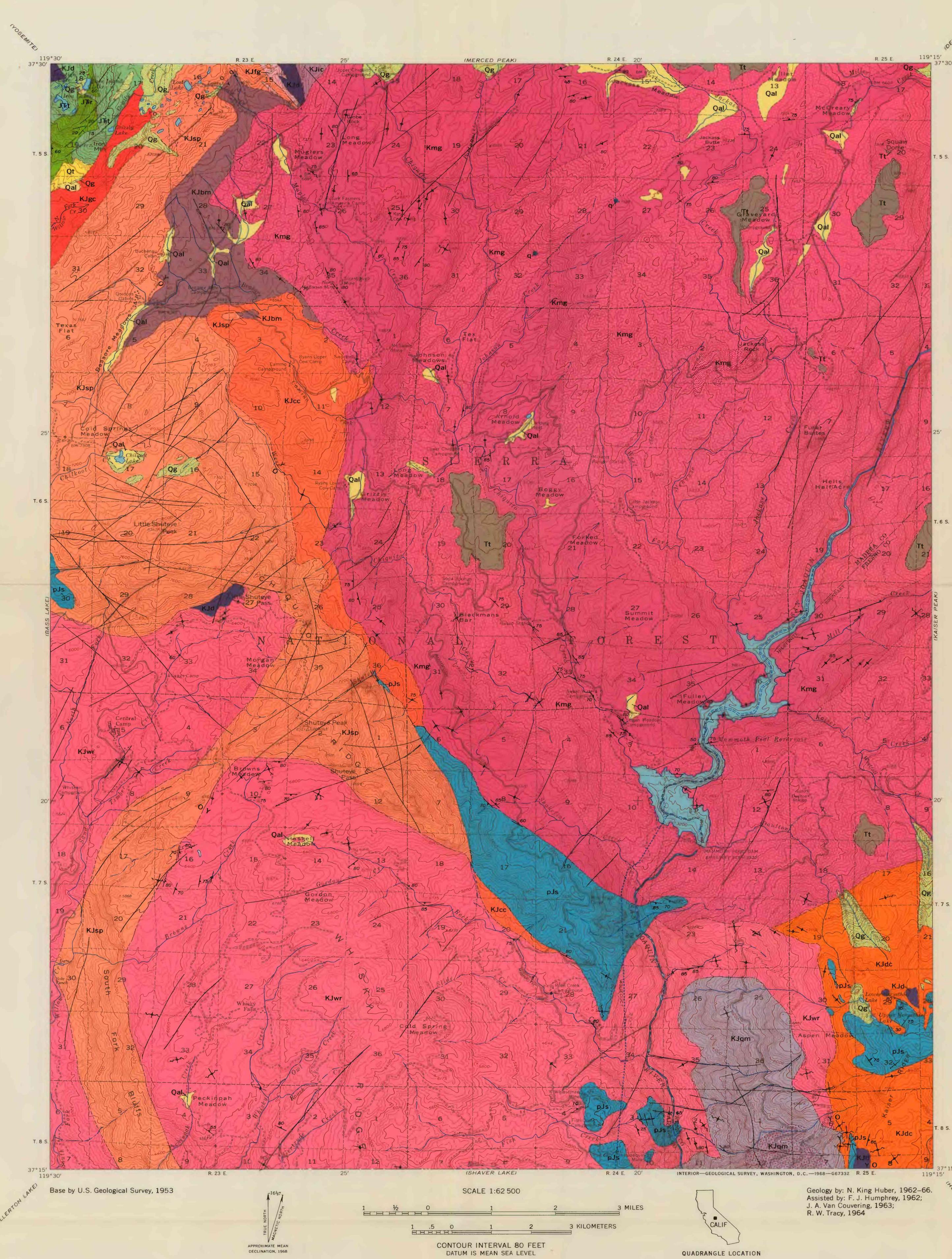
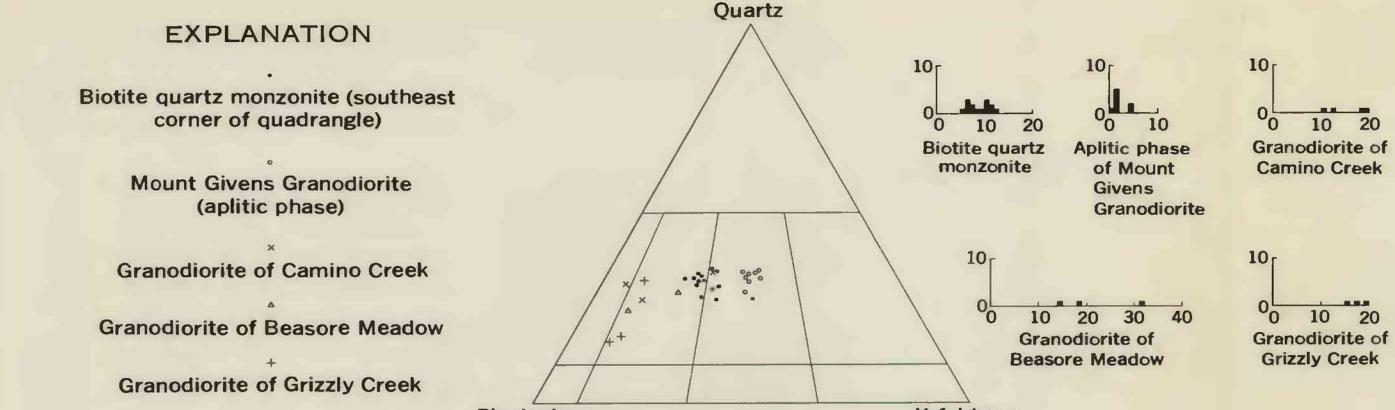
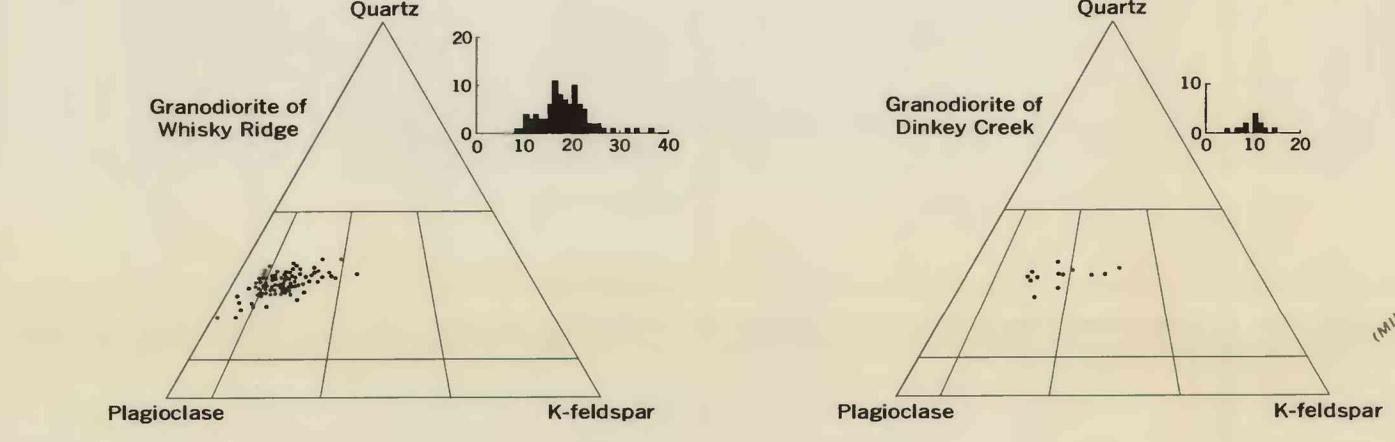
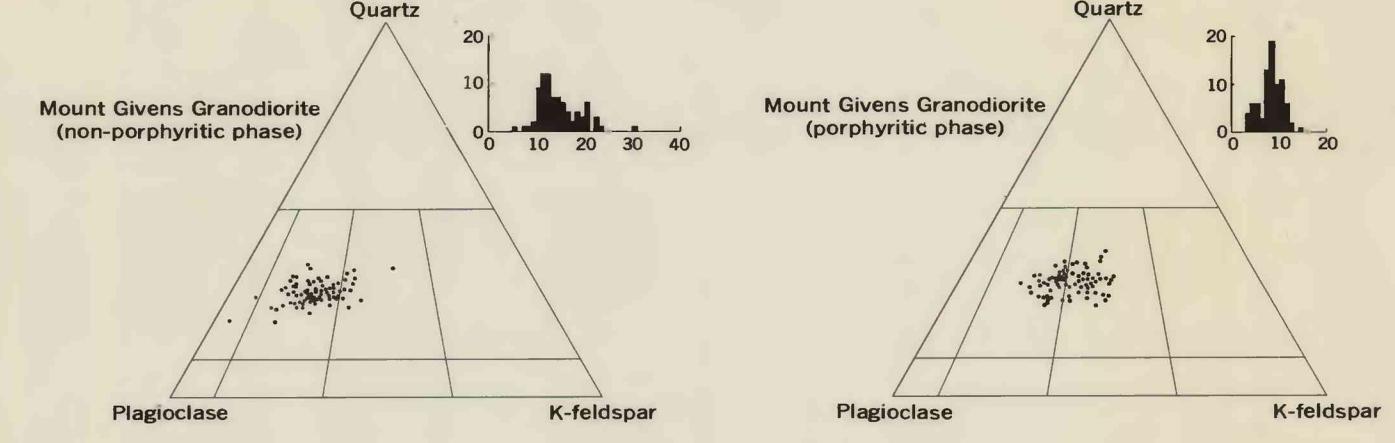
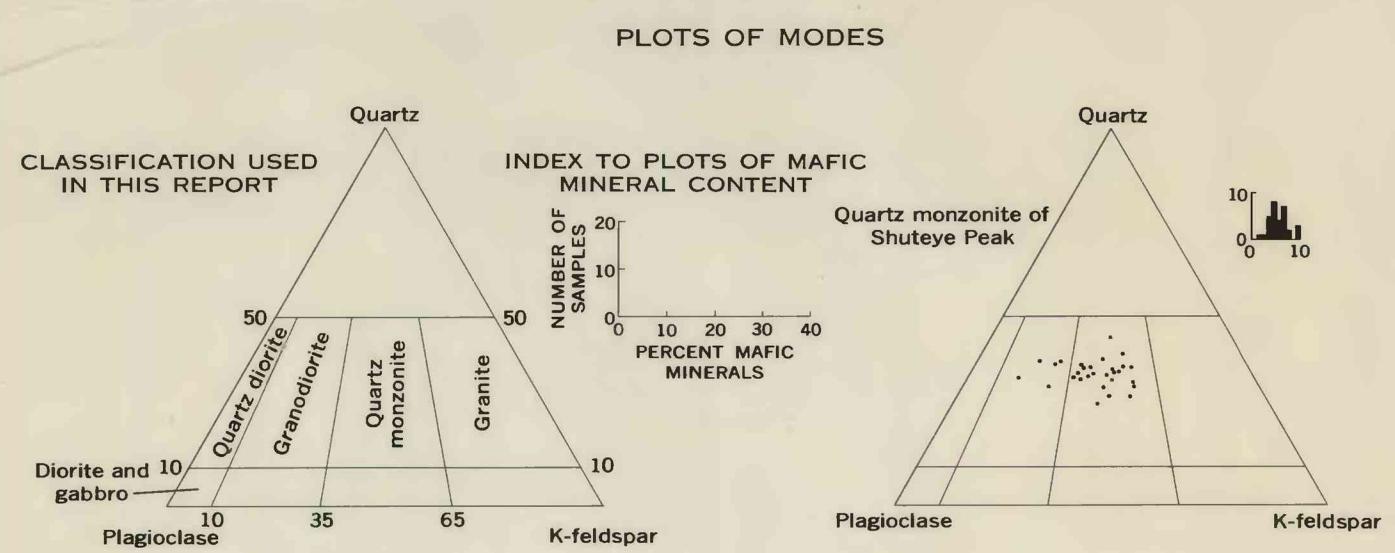


DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY



SPECIFIC GRAVITY MAP SHOWING VARIATION WITHIN MAJOR PLUTONIC UNITS AND LOCATION OF SAMPLES

Dots indicate locations of specific gravity determinations; open circles indicate locations of chemically analyzed samples, including trachybassalt (Tt). Specific gravity contour interval is 0.02. Purple-colored areas emphasize trends of specific gravity highs that roughly coincide with the non-porphritic phase of the Mount Givens Granodiorite. Blue-colored areas emphasize the generally higher specific gravity values near the margins of the granodiorite of Whisky Ridge, and red within the quartz monzonite of Shuteye Peak.



GEOLOGIC MAP OF THE SHUTEYE PEAK QUADRANGLE, SIERRA NEVADA, CALIFORNIA

By
N. King Huber
1968

GEOLOGIC QUADRANGLE MAP
SHUTEYE PEAK QUADRANGLE, CALIFORNIA
GQ-728

EXPLANATION

Oal	Alluvial deposits
Qt	Talus
Qg	Glacial deposits Crests of moraine ridges shown by dot pattern
Tt	Trachybassalt
Kmg	Mount Givens Granodiorite Coarse pattern indicates porphyritic phase; fine pattern optitic phase. q. quartz mass
Kjwr	Granodiorite of Whisky Ridge
Kjcc	Granodiorite of Camino Creek
Kbjm	Granodiorite of Beasore Meadow
Kjpc	Granodiorite of Grizzly Creek Age uncertain relative to granodiorites of Camino Creek and Beasore Meadow
Kjsp	Quartz monzonite of Shuteye Peak
Klqm	Biotite quartz monzonite and granodiorite In southeast corner of quadrangle. Finer-grained phase shown by pattern
Kjdc	Granodiorite of Dinkey Creek

SMALL INTRUSIVE MASSES OF UNCERTAIN AGES RELATIVE TO OTHER GRANITIC UNITS

Kjic	Granodiorite of Illilouette Creek
Kjfg	Fine-grained quartz monzonite In north edge of quadrangle
Kjdc	Dark granodiorite and other mafic plutonic rocks

METAMORPHIC ROCKS

Jt	Metatuff and metatuff breccia
Jtr	Metaryholite

pjs	Metasedimentary rocks Quartzite, quartz mica schist, calc-silicate hornfels, and tactite
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Y	Contact Dashed where approximately located. Y and O indicate younger and older rock at localities where intrusive relationships are apparent.
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Y	Boundary between textural variants within plutons
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Y	Lineament mapped from aerial photographs; probably joints or faults with small displacements
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Y	Inclined Vertical Strike and dip of beds Arrow on dip bar indicates direction of top of bed when known from sedimentary structures
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Y	Inclined, strike variable Inclined, strike variable or uncertain Near vertical, dip variable or uncertain Strike and dip of foliation Primary foliation in plutonic rocks, secondary foliation in metamorphic rocks
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